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PROFESSOR L W ROBERTS  
DEAN  
FACULTY OF ENGINEERING

UNIVERSITY OF NATAL

GRADUATION/DIPLOMA  
CEREMONY

1990

SATURDAY 24 MARCH  
10h00

DURBAN



## PROGRAMME

The Chancellor constitutes the congregation

## PRAYER

Professor V J Bredenkamp  
BA (Rhodes), MA (Oxon), MA, PhD (Princeton)

## WELCOME TO GUESTS

The Vice-Chancellor

## PRESENTATION OF FELLOWS OF THE UNIVERSITY OF NATAL & %

The Deans of Faculties

## PRESENTATION OF DOCTORAL GRADUANDS

The Deans of Faculties

## HONORARY DEGREE

The Orator presents the Honorary Graduand  
NOEL DESMOND CLARENCE  
for the degree of  
DOCTOR OF SCIENCE

## ADDRESS

Professor N D CLARENCE  
MSc (SA), MA (Cantab), PhD (Natal)

## BRASS ENSEMBLE

TiRE] STAIEIEY 0 0 0 00 0 0 60600 06 Michel Richard de la Lande  
Airs o 3rsas Henry Purcell

## PRESENTATION OF GRADUANDS AND DIPLOMATES

The Deans of Faculties

The Chancellor dissolves the congregation

## BRASS ENSEMBLE

Trumpets: Michel Schneuwly (Leader); Ken Cox; Ivan Eggersdorfer  
Trombones: Philippe Cousineau; Stuart Scott; Serge Filliatrault

The congrega%tion is requested to stand while the academic procession enters and leaves the hall and to remain seated until the conclusion of the ceremony.

Only officially authorised persons are permitted to take photographs during the ceremony.

Refreshments will be served in the upper gallery at the conclusion of the ceremony.

Chancellor

Vice-Chancellor and Principal

Chairman of Council

Deputy Vice-Chancellor and  
Vice-Principal, Durban

Depu Vice-Chancellor and  
Vice-Principal, Finance and  
Technical Services

Deputy Vice-Chancellor and  
Vice-Principal, Pietermaritzburg

President of Convocation

#### OFFICERS

The Honourable R N Leon  
QC, BA, LLB (Natal)

P de V Booysen  
MScAgric (Natal), PhD (California)

G C Cox  
BCom, LLB (Cape Town)

C F Cresswell  
BSc(Hons), MSc (Rhodes), PhD (Bristol),  
FRSSAf

B M Gourley  
CTA (Witwatersrand), MBL (Unisa), CA (SA)

C de B Webb  
BA (Hons) (Witwatersrand), HOD (Pret),  
MA (Cantab), FRHistS

J M Pet  
PrEng, BScEng (Natal), MSAACE

Orator P J H Scholtz  
BA(Hons), HED (Natal)  
Registrar B X de Wet  
MA (Pret), DLitt et Phil (Unisa), HED (Pret)  
DEANS OF FACULTIES

Architecture & Allied Disciplines

Engineering

Medicine

Science

M Kahn  
MSc, TRP (Witwatersrand), PhD (Natal),  
TRP (SA), MRTPI, MSAITRP, MAPA

L W Roberts  
PrEng, MScEng (Natal), PhD (London), DIC,  
MSAIMechE, MASM

S Kallichurum  
MB ChB, MD (Natal)

D E A Williams-W

MSc, PhD (Rhodes), CChem, FRSC

FELLOWS OF THE UNIVERSITY OF NATAL  
(See page 17)

FACULTY OF MEDICINE

Baker, Lynne \gâ\200\231)ilford, MB BCh (Witwatersrand), MSc (McGill), FRCS (Edinburgh), FRCS  
nnglan  
Awarded for distinguished contributions in surgery.

Seedat, Yackoo%gassim, MD (NU Irel), FRCP (London), FRCP (Irel), FACP, FCP (SA), FAAC, FCCP, FICA  
Awarded for distinguished contributions in medicine.

DOCTORAL GRADUANDS

DOCTOR OF MEDICINE

Discipline

Buck, Robert Hilton, MB ChB (Cape TOWN) .....ccocceeureuresenrsenssisenscncucncsscncussusi  
nsinennes Chemical Pathology

Thesis: Studies on human chorionic gonadotrophin as a tool for the  
biochemical diagnosis of ectopic pregnancy.

Haffejee, Ismail Ebrahim, MB BCh (Witwatersrand) : .... Paediatrics & Child Health  
Thesis : Rotavirus infections in Indian infants and children in Chatsworth,  
Durban.

Padayachi, Thavan, MB ChB (Natal) ..... b oo LT . Chemical Pathology  
Thesis: The role of oxytocin, oestrogen and progesterone in human  
pregnancy and labour.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF SCIENCE

Discipline

Ansell, Stephen Michial, BSc(Hons) R s Chemistry

Thesis: The Diterpenes of the genus Erthroxylum P Brown.

Henning, Michael Anthony, BSC(HORS) .....cccuucemmmucimnmniciimnniriissiiisssisisesiisisesiisse  
niscnnaccnnsecnnneee Mathematics

Thesis : Generalized adjacency in graphs.

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MR CHANCELLOR

With the inevitable depletion of the supply of fossil fuel the search for liquid fuels to be used in internal combustion engines continues. The only way of determining the suitability of such alternatives is by modelling their combustion and heat transfer. Unfortunately existing

models are inaccurate in describing the combustion of most alternatives.

Alan Hansen developed some very original sub-models which he combined with existing models to overcome these deficiencies. In addition he devised innovative techniques for verifying and calibrating his model. All his examiners urge him to publish his work so that he can provide future research workers with a sophisticated yet practical micro-computer based method for evaluating alternative fuels for diesel

engines.

MR CHANCELLOR

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN  
THE FACULTY OF ENGINEERING

ALAN CHRISTOPHER HANSEN

MR CHANCELLOR

Combustion stress in engines as in humans often relates to the quality of fuel. Up to now it has not been possible to determine the suitability of a fuel for use in an engine without long and costly,

destructive durability tests.

Andrew Taylor has developed a unique method of predicting durability by means of measuring the relevant engine variables for different fuels. His method involved the use of an engine stress model for comparing the suitability of different fuels and their effect on engine life. This research will be of great benefit to engine manufacturers and the fuels industry, and his examiners anticipate wide

spread reactions when his findings are published.

MR CHANCELLOR

It is an honour to present for the degree of Doctor of Philosophy in

the Faculty of Engineering

Andrew Bruce Taylor



MR CHANCELLOR

The reduction of Chromite, an ore of chromium and iron, to the form of the bright silvery metal, is a subject of great scientific and

commercial interest.

A rigorous and penetrating analysis of the thermodynamics and kinetics of the reduction reaction and a careful interpretation of the diffusion processes, allowed Nicholas Dawson to present a very valuable description of the mechanism of the reaction. His work was extended to include an assessment of the effect of specially added components and the increased rates of reduction observed have indicated that

improvements in the industrial processes may be possible.

This study has major economic implications for the metallurgical industry where ferrochrome and stainless steel are being produced.

MR CHANCELLOR

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN  
THE FACULTY OF ENGINEERING

NICHOLAS FINCH DAWSON

MR CHANCELLOR

Driving a motor car is an example of a control system which has three inputs, namely steering wheel, accelerator and brake, while direction and speed are its two outputs. The driver acts as the feedback controller by measuring or monitoring the outputs and deciding on what action to take at the inputs. This is an example of what control

engineers would call a multi-input-multi-output system.

Many industrial processes have multi-inputs and multi-outputs with some form of electronic circuit or computer acting as the multivariable feedback controller. Edward Boje has extended existing Quantitative Feedback Theory to analyse a multivariable system and design a suitable multivariable controller for a system with uncertainties in the values of the variables. His examiners regarded his work very highly and

considered it important in opening up a new research frontier.

MR CHANCELLOR

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN  
THE FACULTY OF ENGINEERING

EDWARD SYDNEY BOJE

MR CHANCELLOR

The technical quality of our television broadcasting in South Africa rests in no small way on the ability of our Electronic Engineers to detect and reduce picture distortions. The work of Engineers in this task has been materially reduced by Paul Boucher's invention and development of an instrument capable of fast and accurate measurement of intermodulation distortion in colour television transmissions. This elegant box of electronics replaces a roomful of expensive equipment and is a tribute to the scholarship of this candidate.

MR CHANCELLOR

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN  
THE FACULTY OF ENGINEERING  
PAUL FREDERICK BOUCHER

Huckett, Barbara Isobel, MSc :

Thesis: Gene transfer by reception-mediated endocytosis: stable expression of NEO following insulin-directed entry into HepG2 cells.

Livingstone, Douglas James, Hon DLitt (Natal), .....cc..covvvuvenernnnc..e. .

Discipline

Thesis: A microbial study of water quality in the marine environment off Durban 1964-1988.

Notcutt, Mark, BSc(Hons) .....

Thesis: Gas lenses.

Watts, Ann Dorothea, BSc(Hons) ..

Thesis: Volume 1: The modification of Luria's neuropsychological investigation for use with white English-speaking South African children 8-14 years.

Volume 2: Luria's neuropsychological investigation for children: An adaptation from his work.

Physics

..... Psychology

DOCTOR OF PHILOSOPHY IN THE FACULTY OF ENGINEERING

(Department of Agricultural Engineering)

Hansen, Alan Christopher, MScEng

Thesis: A diagnostic quasi-dimensional model of heat transfer and combustion in compression-ignition engines.

Taylor, Andrew Bruce, MScEng A :

Thesis : Combustion stress in compression-ignition engines

(Department of Chemical Engineering)

Dawson, Nicholas Finch, BScEng .

Thesis : Solid state reduction of chromite.

(Department of Electrical Engineering)

Boje, Edward Sidney, BScEng(Witwatersrand) & MScEng

Thesis : Quantitative feedback design and construction of a two by two system with large disturbances.

Green, Walter Battman, MScEng

Thesis: Numerical algorithms for PWM modulators.

(Department of Electronic Engineering)

Bouwer, Paul Frederick, BScEng

Thesis : A proportional timing generator for measuring intermodulation

distortion on television transposers. '

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DOCTOR OF PHILOSOPHY IN THE FACULTY OF MEDICINE

Discipline

Gathiram, Premjith, MSc(UDW) Physiology

Thesis: Endotoxaemia in intestinal dysfunction in experimental animals:

Intestinal ischaemia and hyperthermia.

DOCTOR OF PHILOSOPHY IN THE FACULTY OF ARCHITECTURE

AND ALLIED DISCIPLINES

Discipline

Smit, Daniel Petrus, BA(Hons) (Rhodes), MUP (Oregon) .....cccocceevuuznne Town and Regional Planning

Thesis: The political economy of urban and regional planning in South

Africa towards theory to guide progressive practice.

HONORARY GRADUAND

(See page 16)

Clarence, Noel Desmond, MSc (SA), MA (Cantab), PhD (Natal)

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GRADUANDS

MASTER OF SCIENCE

Discipline

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Biology

Thesis : Development of methods for testing of industrial effluent toxicity  
in a sub-tropical marine environment.

Discipline

Bickerton, Iain Bruce, BSc(Hons) ..... Biology

Thesis : Aspects of the biology of river prawns of the genus Macrobrachium (Decapoda: Caridea: Palaemonidae) in the St Lucia system.

CazaleGIR IchatdiStephen B S Âç (T o e e e et Physics

Thesis : Development of non-linear optical components for a laser system.

de Bruyn, Warren James, BSc(Hons) Chemistry

Thesis: The photochemistry of Uracil and Cytosine in aqueous solution.

Dempers, Clemens Arnold, BSc(Honl)

Thesis: Linear properties of cross-plasma device.

s gStql1) e ' Physics

ield ion acoustic instability in a double-

Dewar, Janice, BSC(HOMS) w..u.riuuuireiuuieeinissennnnssinnascensensscssssssssssssismsssss  
issessisssssisssssssssssssssssssssssssassess Biology

Thesis: An mvesti%ation of the storage bevaviour characteristics of Podo-  
carpus henkelii Stapf seeds.

R ord S 10cs] YRR S G OIS oo e retee e S s e e ettt Biology

Thesis: Effect of hydroEen peroxide on the photosynthetic biochemistry of  
Pisum sativum L.

GrayettiDayidiMichacl BB S e ((LTon ) E et Chemistry

Thesis: The photochemical kinetics for acetophenone photosensitized  
photolysis of thymine dinucleotides and oligonucleotides.

\* Haines, Christopher Mark, BSc(Hons) Physics

Thesis: The simulation of physical phenomena with permanent magnets.

Ladwig, Julius Mark, BSc(Hons) Physics

Thesis: Longitudinal variations in the occurrence of whistlers.

\* Malone, Mark Emmett, BSc(Hons) S e Chemistry

Thesis: Thymine photochemistry in micellar systems.

McDonald, Gavin John, BSc(Hons) : . 2. Biology

Thesis: The distribution and taxonomy of the orchidaceae in Durban and  
surrounding areas.

Pongquet, Ryan Tyson, BSc(Hons) . - Chemistry

Thesis : Aspects of tocopheral antioxidant activity.

Ramlall, Krishendutt Jewdhun, BSc(Hons) ..... - LA Physics

Thesis: Ray paths of VLF waves generated in the vicinity of the equatorial  
plane.

\* = Degree awarded cum laude

Richardson, Eleanor Judith, BSc(Hons) .....ccccouevueevcnecee

Thesis :

Ripley, Bradford Sherman, BSc(Hons) ..

Thesis :

Stegeman, Johanna, BSc(Hons)

Thesis :

\* Thomas, Rosalee Cara, BSc(Hons) .....

Thesis :

Physiological aspe

cts of torpor in the fat mouse Steatom'ys

pratensis, (Dendromurinae).

Investigations of the processes involved during"the photoinhibition

of Zea mays L. seedl

Discipline

ings.

Biology

Selected metabolic studies of the fruit bat Epomophorus wahii;ergi

in captivity.

The kinetics of DNA photochemistry.

van Dyk, Deborah, BSc(Rhodes), BSc(Hons) (UDW) .....cccc.c.....

Genetic variation within the endemic Murid species, Ofomys  
unisulcatus F. Cuvier, 1829 (Bush Karroo rat)

Thesis :

MR CHANCELLOR

Chemistry

.. Biology

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF

MASTER OF SCIENCE IN ENGINEERING

â\200\230Thesis :

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Haines, Richard Walter, BScEng

Thesis :

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Compression-ignition combustion of synthesised hydrocarbon  
fuels.

Lecler, Neil Louis, BScEn%) :

A performance-based traction control system.

Thesis :

(Department of Chemical Engineering)

Bachmann, Taaf Reinhardt, BScEng

Thesis :

A model for wet h  
magnetic minerals.

igh-intensity magnetic separation of weakly-

\* = Degree awarded cum laude

## Discipline

Richardson, Eleanor Judith, BSc(HONS) .occuuriimniiiiitiinniiissssenisisscesinincsnnasecnrin  
i e Biology  
Thesis: Physiological aspects of torpor in the fat mouse *Steatomys*  
*pratensis*, (Dendromurinae).

Ripley, Bradford Sherman, BSc(Hons) ..... = Biology

Thesis : Investigations of the processes involved during the photoinhibition  
of *Zea mays* L. seedlings.

Stegeman, Johanna, BSc(Hons) : Biology

Thesis : Selected metabolic studies of the fruit bat *Epomophorus wahibergi*  
in captivity.

\* Thomas, Rosalee Cara, BSc(HONS) ...coovueeeemvcnnincnciicncncisninnans = o Chemistry

Thesis: The kinetics of DNA photochemistry.

van Dyk, Deborah, BSc(Rhodes), BSc(HONS) (UDW) .....ovvmniiiminnnriissssssinssccininsscnn  
s .. Biology

Thesis: Genetic variation within the endemic Murid spÃ@gfes, *Ot. amys*  
*unisulcatus* F. Cuvier, 1829 (Bush Karroo rat)

## MASTER OF SCIENCE IN ENGINEERING

(Department of Agricultural Engineering)

\* Buitendag, Isak, BScEr}%

Thesis : Modelling infiltration under different tilled conditions.

Haines, Richard Walter, BScEng

Thesis : Euompression-ignition combustion of synthesised hydrocarbon  
els.

Lecler, Neil Louis, BScEn%

Thesis: A performance-based traction control system.

(Department of Chemical Engineering)

Bachmann, Taaf Reinhardt, BScEng '

Thesis: A model for wet high-intensity magnetic separation of weakly-  
magnetic minerals.

\* = Degree awarded cum laude

Dalgleish, Gavin Barry, BScEng

Thesis : An investigation into the performance of a three-phase reactor.

\* Portsmouth, Robert Lynton, BScEng

Thesis: The kinetics of 2-methyl-3-buten-2-OL dehydration over an alumina catalyst

Slaghuis, Johan Hendrik, NDH(Chem), Dip Tech(Vaal Tech)

Thesis : Volatile material in coal and the role of inherent mineral matter.

(Department of Electrical Engineering)

\* Seaman, Craig, BScEng

Thesis: Transient analysis of a synchronous machine following unsymmetrical shunt faults in unbalanced power systems.

(Department of Electronic Engineering)

Burstein, David Bruce, BSc(Hons) (Bath, England)

Thesis : %inggriskation of high frequency transmitters utilising modulation feedback.

Davies, Trevor Rowland, BScEng

Thesis: Implementation of a proprietary CAD graphics subsystem using the GKS standard interface.

\* Hensley, Norman Peter, BScEng

Thesis: The construction and testing of an experimental travelling wave tube amplifier.

Hoole, Andrew Charles Frederick, BScEng

Thesis: The design of an integrated circuit for use in a smart RS232 cable using the LIS-VLSI design tool.

Mabharaj, Bodhaswar Tikanath Jugpershad, BScEng

Thesis : Characterization of helical slow wave structures in travelling wave tubes.

\* McDonald, Steghen Andrew, BScEng :

Thesis : Development of network analyser based microwave antenna range and characterisation of 1-12 Ghz antenna standard.

Mhlongo, Aubrey Zithulele, BSc(Hons) ) :

Thesis: Computer aided design and manufacture of coaxial helix transformers for travelling wave tubes.

\* = Degree awarded cum laude

Pitchers, Richard Charles, BScEng  
Thesis : A comparative study of various speech recognition techniques.

Smith, Darren Mark, BScEng  
Thesis: The theoretical and practical analysis of low perveance Pierce electron guns

(Department of Mechanical Engineering)

Bright, Glen, BScEng  
Thesis : Automated guided vehicle system for manufacturing operations.

\_ Duffy, Kevin Jan, BSc(Hons)  
A Thesis: The optimal design of l(xlybrid composite laminates under free vibrations or buckling loads.

\_\_ Goolam, Ebrahim, BScEngiUDW)  
\* Thesis: Performance evaluation of mechanical draught counterflow water cooling towers.

. Miglietti, Warren Martin Andre, BScEng  
% Thesis: The manufacture of a hollow turbine rotor blade.

Morphis, George, BScEng  
Thesis: The measurement of axial turbine tip flow phenomena in a moving wall annular cascade and in a linear cascade.

â\200\230< van der Steege, Anton Willem, BScEng  
Thesis : Experimental investigation of special turbine blade-cooling configurations.

MR CHANCELLOR  
I HAVE THE HONGUR TO PRESENT EORSIHESDEEREESER

MASTER OF SCIENCE IN LAND SURVEYING

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Thesis: A comparison of satellite data types and techniques for mapping

irrigated land  
\* = Degree awarded cum laude 2% M  
Sordl el %

Pitchers, Richard Charles, BScEng

Thesis: A comparative study of various speech recognition techniques.

Smith, Darren Mark, BScEng

Thesis: The theoretical and practical analysis of low perveance Pierce electron guns

(Department of Mechanical Engineering)

Bright, Glen, BScEng

Thesis: Automated guided vehicle system for manufacturing operations.

\_ Duffy, Kevin Jan, BSc(Hons)

A Thesis: The optimal design of l(?)brid composite laminates under free : vibrations or buckling loads.

\_\_ Goolam, Ebrahim, BScEngiUDW)

\* Thesis: Performance evaluation of mechanical draught counterflow water cooling towers.

~ Miglietti, Warren Martin Andre, BScEng

" Thesis: The manufacture of a hollow turbine rotor blade.

Morphis, George, BScEng

Thesis: The measurement of axial turbine tip flow phenomena in a moving wall annular cascade and in a linear cascade.

â\200\230< van der Steege, Anton Willem, BScEng

Thesis: Experimental investigation of special turbine blade-cooling configurations.

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MASTER OF SCIENCE IN LAND SURVEYING

Discipline

Dinkele, John Malcolm, BScSur . Surveying and Mapping

Thesis: The capture and storage of topographic information in digital format, from analogue stereo plotters.

\* Lourens, Uys Willem, BScEng .. Surveying and Mapping

Thesis: A comparison of satellite data types and techniques for mapping

irrigated land

\* = Degree awarded cum laude 27/% M

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## MASTER OF MEDICINE

De Bruyn, Colin, MB ChB (UOVS)  
Hargreaves, John, MB ChB (Cape Town)

Discipline  
Haematology  
Anaesthetics

Klopper, Stefan Marius, MB ChB (Cape Town)

Kozlowski, Jan Msciwoy Douglas, MB ChB (Warsaw)  
Pillay, Gnanasagren Sathaseevan, MB ChB

Pires, Antonio Jose Aravjo Faria, MB ChB (Oporto)

Richards, Shireen Patricia, MB ChB (Rhodesia)

Tait, Dereck Roy, MB ChB (Pret)

Worner, Ulrike, MB BCh (Witwatersrand)

Opthalmology  
Opthalmology  
Haemotology  
Opthalmology  
Haematology

. Microbiology

Anaesthetics

## MASTER OF MEDICAL SCIENCE

Khedun, Shaun Mahabeer, BVSc & AH (UDAIPUR)

Thesis: The effect of alcohol, isoniazid, rifampicin, paracetamol and hex- :  
ane on hepatic gluconeogenesis and bromosulphthalein clearance.

## MASTER OF TOWN AND REGIONAL PLANNING

Adam, Asraf Mohamed, BA(UDW) Naik, Bharti Chotoobhai, BSocSc  
Bayat, Julicka, BA(UDW) Schafer, Leigh Zelma Valerie, BA  
Day, Tracy, BSocSc Shaw, Catherine Jane, BA(Hons)  
Kabi, Mmantsipo, BA(Transkei) Webb, Nicholas Winston, BA  
Mbali, Nonceba, BSocSc(Witwatrsrand) Waulfsohn, Terence Orde, BScAgric

Naidoo, Mahandra Gunarathanum, BA(UDW)

BACHELOR OF SCIENCE (HONOURS)

Akerman, Leigh-Anne, BSc (Pharm)

Discipline

. Pharmacology

Discipline

Chemistry

Aliwell, Simon Richard, BSc

Chemistry

Arran, Pravindran Trevor, BSc (UDW)

Geology

Barnett, Michelle Ann, BSc

Biology

Biolo,

Barratt, Samantha Anne, BSc

Barsby, Jane, BSc .

Booth, Russell Craig, BSc

Geography

Geology

+ = Degree awarded in the first class

Discipline



Bothma, Martin, BSc Biology  
Butler, Debra Jean, BSc . Geolo

Chiliza, Simphiwe Ndodayomuzi, BSc(UZ) Applied Mathematics  
Coady, Moira, BSc Chemistry  
Diegel, Aase, BSc ... Biology  
Dube, Thabile Gloria, BSc(JZ) Computer Science  
Edwards, Elizabeth Anne, BSc Geology  
Edwards, Sion Charles, BSc Chemistry  
Godefroy, Susan Jessica, BSc Chemistry  
Gouge, Odette Maria, BSc Economics  
Haines, Jennifer Bronwyn, BSc Economics  
Hansen, Bradley Miles Stougaard, BSc Physics  
Hansraj, Ashikaram, BSc( msa?J : Mathematics  
Hoar, Margaret Elizabeth, BSc(Unisa) Biology  
Isherwood, Peter, BSc Geology  
Karamata, Charles Lowrenz, BSc Chemistry  
Kriste, Angela Gayle, BSc Chemistry  
Lawler, Ian Alfred, BSc Geology  
MacFarlaine, Grant Robert James, BSc(Cape Town) Geology  
Mabharaj, Vanitha, BSc(UDW) Chemistry  
Mattson, Mark Christian, BSc Biology  
Melamed, Pavel, BSc Computer Science  
Mhlongo, Mfanafikile Don, BSc(UZ) Mathematics  
Monkhe; Thabo Vineent9BSelÃx i L T L i e e M s T e Chemistry  
Moodley, Manikam, BSc(Unisa) ... Mathematics  
Mungunda, Milka Martha Arnoldine, BSc(UNIN) Psychology  
Naidoo, Ramsamy, BSc(Jnisa) Mathematics  
Pillay, Ramanie, BSc(UDW) Geology  
Pillay, Yoganathan Sigamoney, BSc(UDW) Geology  
Rissik, David, BSc Biology  
Sherwin, Heather Wendy, BSc Biology  
Todd, Colleen Barbara, BSc(Rhodes) Biology  
Tootal, Kevin Vernon, BSc Geology  
Truter, Agatha Aloma, BSc Chemistry  
Wadley, Susan, BSc Chemistry  
Woodward, Timothy Ian, BSc Physics

+ = Degree awarded in the first class

#### BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

Akoo, Mahomed Shiraz  
Bhagwandeem, Rohan  
Bisnath, Kavitha  
Bomela, Dumisani Sizwe  
Bux, Mahomed Tharique  
Chavda, Dhanesh  
Chetty, Devadasa

Daya, Dharmandra  
Daya, Mahendra  
Dlamini, Stephen Muzikayise Silwane  
Dlova, Cordelia Noxolo

Gangan, Ravin

Gobinca, Marshall Ngubekhaya  
Gopalan, Pragasan Dean  
Gounden, Yogapragasen Poovalingam  
Govender, Balasundurum  
Govender, Lingannathan Munsamy  
Govender, Srinivasan Chinsamy  
Haribhai, Neeta Chimanlal

Hlekane, Charles Tinyiko

Ismail, Feizal Haroon

Jagot, Mahmood Abdull Rahim

Jairam, Jaiprakash Thakor  
Jayantilal Ramjee, Mira

Jogiat, Muhammad Goolam Hoosen  
Jugoo, Ashilla

Juta, Sunil

Kgomo, Mpho Klaas

Khumalo, Nonhlanhla Patience  
Madala, Nomandla Daphne  
Maistry, Mervyn Gerarde  
Mangera, Immrans Mahmood  
Mayosi, Bongani Mawethu  
Mokwena, Edward Jimmy  
Molapisi, Robert Martin Vusumuzi  
Moodley, Yuben Pathmanathen  
Moesa, Mahomed Faizal Hassim  
Moosajee, Mohamed

Motaung, Clarence Sello  
Motloun, Moeti Abel

Msibi, Alice

Mungal, Urvashi Dhoopraj  
Myataza, Charles Lwanga  
Mzileni, Sipetuxolo Witness  
Naidoo, Mergan

Naidoo, Pairinban

Naidoo, Uvarasen Kumaraswami  
Naidoo, Yatinraj Narasumulu  
Naidu, Sachidanandan

Nair, Rajendran

Nathoo, Narendra

Ndlovu, Mohelepi Percy

Ndumise, Losman Benedict Mbuyiselo

Ngubane, Musa Griffiths  
Nkohla, Mkululi Victor

Nkosi, Jabulani Abe Patrick William  
Nteta, Mosomotsi Christopher  
Nyati, Mabelandile Fundile  
Palani, Manivasan

Pather, Rajakrishna Masilamoney  
Pather, Selvan

Pershad, Santosh

Pillay, Devadas Ganesh

Pillay, Thillagavathie

Ramjee, Asmita Amratlal  
Ranyane, Ralehlokoa Andrew  
Reddy, Ramachandra  
Roopnarian, Indra Purbhoo Nath  
Royeppen, Edmund Christopher  
Salig, Surendra Bhimraj

Salig, Vikash

Sankar, Naveen Munessar  
Sewpersad, Selina

Shah, Leshni

Shaik, Zulfika Mohammed  
Sheik, Ismail Abdul Kader  
Shongwe, Keith Ian Mantayi  
Shunmugam, Ravendren  
Sibanyoni, Vusmuzi Jonathan  
Singh, Hansraj

Solanki, Anoop Chandrakant  
Soni, Ellesh Narbharam  
Suleman, Farhana Ebrahim  
Toyi, Daluxolo Karl

Tune, Michael James

Walele, Azeem Hassan  
Xobolole, Freedom Nkululeko

#### BACHELOR OF ARCHITECTURE

Allen, Maria Louise Claire  
Arthur, Maxine

Avice du Buisson, Patrick Jean-Marie

Boothway, Adam Mark  
Choromanski, Rodney Ralph  
Foord, Geoffrey Ro

Grego, Rui Manuel Vieira  
Hindle, Richard Anthony  
Kartsounis, Vivienne Theresa  
Lee, Chandra Maria Soares  
MacKenzie, Janice Ann Marie  
MagalhaÃs, Erika Antunes

10

Makin, Andrew John

Naidu, Sharendra Pragladhan  
Napier, Mark

Reitz, Francis William

Ross, Robert James  
Schwerzel, Petrus Johannes  
Shiba, Selby Mchele

Smith, Alaric Heath  
Stiemens, Gavin Lloyd  
Sutton, Kevin Grant  
Telford-Smith, Amanda Nell

Bechoo, Shireen

Byres, Leanne Susan  
Chaboolall, Vishala  
Ebrahim, Hajra Hoosen  
Govender, Thirumala  
Halstead, Michelle  
Hoosen, Khatija Bibi  
Jacob, Sandra

Jerome, Lisa ;  
Jhajbhai, Fathima Ebrahim  
Kriese, Gustav Franz  
Lawrenz, Anton Heinrich  
Madden, Teresa Elizabeth  
Maharaj, Ravi Leelamber  
Mabher, Clare Lynda

MR CHANCELLOR

BACHELOR OF SCIENCE (PHARMACY)

Moggridge, Anne  
Moodley, Reggie

Munro, Rosanne Lynn  
Naidoo, Neera Brijlal  
Naidu, Indirani

Parker, Ian Charles  
Ratcliff, Steven Andrew  
Smith, Amanda Lynne  
Soffiantini, Jeanette Denise  
Stainton, Barbara  
Stephen, Anita Coral  
Theron, Michelle Julianne  
Vahed, Yusuf Mahomed  
Zervogiannis, Yianoula

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF

BACHELOR OF SCIENCE IN ENGINEERING

Brooker, Andrew Gordon Pringle

Cole, Allen Kevin

Downes, David Stuart Trouncer

Ahrens, Graham John  
Aldworth, Martin Arthur  
Bradford, Brian Richard  
Bull, Christopher Michael

Fernandes, Luis Alberto Rosado

Fyfe, Graham Carmichael  
Greening, Michael John  
Hurt, Quentin Edward  
Kendall, Simon George  
McCarley, Stephen Paul  
Morley, Kevin Thomas  
Naicker, Pravindrin

Rudnick, Timothy Simon  
Wing, David Stuart

(Chemical Engineering)

Oâ\200\231Reilly, Brian Clair  
Pereira, Rogerio Araujo â\200\224  
Pillay, Bavanethan  
Sewsunker, Indrani

Smith, Trevor Raymond  
Spada, Angelo Roberto  
Stevens, Laurence Colin

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Welman, Johan Christiaan Adriaan

Wessels, Wessel Jurie  
Yelland, Neil Ross  
Yokwe, Armstrong Mbulelo

\* = Degree awarded cum laude

BACHELOR OF SCIENCE (PHARMACY)

Bechoo, Shireen

Byres, Leanne Susan  
Chaboolall, Vishala  
Ebrahim, Hajra Hoosen  
Govender, Thirumala  
Halstead, Michelle  
Hoosen, Khatija Bibi  
Jacob, Sandra

Jerome, Lisa y  
Jhajbhai, Fathima Ebrahim  
Kriese, Gustav Franz  
Lawrenz, Anton Heinrich  
Madden, Teresa Elizabeth  
Maharaj, Ravi Leelamber  
Mabher, Clare Lynda

Moggridge, Anne  
Moodley, Reggie

Munro, Rosanne Lynn  
Naidoo, Neera Brijlal  
Naidu, Indirani

Parker, Ian Charles  
Ratcliff, Steven Andrew  
Smith, Amanda Lynne  
Soffiantini, Jeanette Denise  
Stainton, Barbara  
Stephen, Anita Coral  
Theron, Michelle Julianne  
Vahed, Yusuf Mahomed  
Zervogiannis, Yianoula

BACHELOR OF SCIENCE IN ENGINEERING

(Agricultural Engineering)

Brooker, Andrew Gordon Pringle Rudnick, Timothy Simon

Cole, Allen Kevin  
Downes, David Stuart Trouncer

Ahrens, Graham John  
Aldworth, Martin Arthur  
Bradford, Brian Richard  
Bull, Christopher Michael  
Fernandes, Luis Alberto Rosado  
Fyfe, Graham Carmichael  
Greening, Michael John  
Hurt, Quentin Edward  
Kendall, Simon George  
McCarley, Stephen Paul  
Morley, Kevin Thomas  
Naicker, Pravindrin

Wing, David Stuart

(Chemical Engineering)

Oâ\200\231Reilly, Brian Clair

Pereira, Rogerio Araujo â\200\224 A #teze  
Pillay, Bava%lethan ot

Sewsunker, Indrani

Smith, Trevor Raymond

Spada, Angelo Roberto

Stevens, Laurence Colin

Welman, Johan Christiaan Adriaan

Wessels, Wessel Jurie

Yelland, Neil Ross

Yokwe, Armstrong Mbulelo

\* = Degree awarded cum laude



Berry, Alan David

(Civil Engineering)

Moore, Paul Bernard

Booth, Gregory g - 5 Ngcobo, Fanzethu Philemon â\200\224 =ofl klok

Buccimazza, Domenico

Challis, Andrew John

Davis, Peter Brittan

Dyas, Andrew

Elphinstone, Robert Andrew

Ethelston, Deryck Michael

Fors, Eric

Gounder, Sathasivan

Haliburton, Peter Don

Howard, Mark Lynton

Johnson, Daryl Garth

Lebea, Mashao Lawrence

Lenferna de la Motte, Robert Pierre

Lion-Cachet, Shaun

McCann, Neil Alexander

Mecllwraith, Robert Ian

Mogolola, Leata Jonas

Officer, Andrew Knowles

Palmer, Gregory Charles

Pearce, Warwick Arnold

Peters, Adrian Michael

Pillay, Rajendran

Robins, Philip Norman

gobinson, alr)x Mligmel

oyce, Bruno Paul Hen:

Ruof, Johannes Guenthg P o

Silinga, Mninawe

Smith, Mark Alistair

Spooner, Paul

Vigar, David Carew

Visser, Gary George

Watkins, Ian Graham Lewis

Wright, Gustav John

Wylie, David William

(Electrical Engineering)

Aphane, Lambona Ferdinand

Begley, Shaun Grant

Bettoni, Dario Bruno  
Bouwer, Arnold Kenrick

de Vries, Maarten Leo  
Dilraj, Rakesh

Edwards, Stephen

Fairlamb, Ian David

Gubula, Morris Robert  
Gwamanda, Sibusiso William  
Hamalainen, Ari Petteri  
MacKenzie, Raynold Aubrey  
\* Rigby, Bruce Spencer  
Walker, Glen Dalton  
Watson, David Stuart

(Electronic Engineering)

Berry, Michael John

Bhyat, Mohammed Salim  
Bipath, Minnesh

Brown, Kenneth Francis  
Buccellato, Ricardo Balladon Buffa  
- Chetty, Chidananda  
Chinniah, Vishnu

Fick, Clinton John

Froes, Paulo JosÃ©

Garach, Jayesh Avanikant  
Harichunder, Rajendra  
Hart-Jones, Trevor Norman

\* =

Hemme, Alexander Wilhelm Maria Hema  
Hill, Darrell Lee  
Hurter, J erenl\?' Crai

- Kovacevich, Michael John  
Lidgett, Andrew George  
Lotter, Neil Ian  
Mans, Johannes Jochemus  
McCurrach, Richard Robert  
Meyer, Benjamin Shane  
Michel-Smith, Trevor Michael

\* Mitchell, Brendan Steven James  
Naidoo, Dhanapalan

Degree awarded cum laude

Naidoo, Kubendra Srinivasan Ratzlaff, Henry Franz

Naidoo, Logan Venketes Ravjee, Chandresh Narsai  
Naidoo, Surendra Ramoorthee Scott, Richard Frank  
Northover, Kenneth Charles Singh, Pranesh

Nortje, Graham Edward Seobben, Deva Rajen  
Padayachee, Strinavasen Strode, Jonathan Ronald Francis  
Parbhoo, Harshad Parsot Turner, Kevin Richard

Parle, Timothy Lawrence Tweedie, Justin Mark

Paul, Allan Clifford Vassilopoulos, Nicolaos  
Pennington, Andrew Fawcett \* von Varendorff, Rudiger Victor  
Pillay, Indheran Walsh, Martin Eugene  
Randelhoff, Mark Charles

(Mechanical Engineering)

Allison, Colin Bidden \* Kaiser, Ivan

Apostolou, Apostolos Karlson, Gary Michael

Coetzer, Mathew Charles Knoesen, Danny

Cole, Karen Vanessa Kroutz, Shaun Clinton Joseph

de Kriek, Peter Bernardus Langton, Peter

de Wet, Alan Peter McKenzie McDougall, Rafferty Bruce Mulock

Denley, Brian David Molaba, Chiloane Alpheus

Durose, Christopher Robert Mornet, Paul Michie

Edwards, Robert Claude Nienaber, Anton

Faber, Robert Henry Grey Nimmo, Gavin Frank

l?â\200\230erl'eira,h J afques Henri Pillay, Seeclan :

Field, John James Reid, Jeremy Mar -

Freeman, Trevor Raymond Ross Sewnarain, Sanjay Sewrrts

Gerrish, Colin John Stevenson, Grant Hugh

Gibson, Zane Edwin Sunjka, Bernadette Patricia

Goble, Kevin David \* Taylor, Gregory William

Goosen, Pierre \* Thom, Martin Gunther

Govender, Gonasagren van Rossum, Dirk

Hawgood, Timothy Edward Jack Walker, Mark

Heiner, Sven Williams, Victor Craig

Hunt, Peter Guy Wootton, William Spencer Mark  
A T4 127 g) L i

MR CHANCELLOR

I HAVE THE HONOUR TO PRESENT FOR THE DEGREE OF

BACHELOR OF SCIENCE IN LAND SURVEYING

\* = Degree awarded cum laude  
# = Degree awarded summa cum laude

Naidoo, Kubendra Srinivasan  
Naidoo, Logan Venketes  
Naidoo, Surendra Ramoorthee  
Northover, Kenneth Charles  
Nortje, Graham Edward  
Padayachee, Strinavasen  
Parbhoo, Harshad Parsot  
Parle, Timothy Lawrence  
Paul, Allan Clifford  
Pennington, Andrew Fawcett  
Pillay, Indheran

Randelhoff, Mark Charles

Ratzlaff, Henry Franz

Ravjee, Chandresh Narsai  
Scott, Richard Frank

Singh, Pranesh

Soobben, Deva Rajen

Strode, Jonathan Ronald Francis  
Turner, Kevin Richard  
Tweedie, Justin Mark  
Vassilopoulos, Nicolaos

von Varendorff, Rudiger Victor  
Walsh, Martin Eugene

(Mechanical Engineering)

Allison, Colin Bidden  
Apostolou, Apostolos  
Coetzer, Mathew Charles  
Cole, Karen Vanessa

de Kriek, Peter Bernardus

de Wet, Alan Peter McKenzie  
Denley, Brian David

Durose, Christopher Robert  
Edwards, Robert Claude  
Faber, Robert Henry Grey  
Ferreira, Jacques Henri  
Field, John James

Freeman, Trevor Raymond Ross  
Gerrish, Colin John

Gibson, Zane Edwin

Goble, Kevin David

Goosen, Pierre

Govender, Gonasagren  
Hawgood, Timothy Edward Jack  
Heiner, Sven

Hunt, Peter Guy

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Kaiser, Ivan

Karlson, Gary Michael

Knoesen, Danny

Kroutz, Shaun Clinton Joseph

Langton, Peter

McDougall, Rafferty Bruce Mulock

Molaba, Chiloane Alpheus

Mornet, Paul Michie

Nienaber, Anton

Nimmo, Gavin Frank

Pillay, Seelan 3

Reid, Jeremy Mar s,

Sewnarain, Sanjay Seurrts

Stevenson, Grant Hugh

Sunjka, Bernadette Patricia

Taylor, Gregory William

Thom, Martin Gunther

van Rossum, Dirk

Walker, Mark

Williams, Victor Craig

Wootton, William Spencer Mark

BACHELOR OF SCIENCE IN LAND SURVEYING

Gosling, Charles Leonard Roy

Jenkins, Richard Dennis

Matibe, Ntshavheni Patrick

Setati, Tlabo Charles

Singh, Ronil

Thejraj, San'a?'

Turnbull, William Ian Mark

Warren, Barry Donald

\* = Degree awarded cum laude

# = Degree awarded summa cum laude

## BACHELOR OF SCIENCE IN QUANTITY SURVEYING

Ballim, Suleman Ismail  
Barnard, Ian Lourens  
Dhliwayo, Onesimo  
Gelman, Mark Gabriel  
Hobden, Alistair  
Jessop, Craig Anthony  
Jones, Colin Dennis  
Joubert, Emil Justin  
Knowles, Paul Brett

Mandindi, Nonyameko  
McIntyre, Wayne Ian  
Naidu, Vijayananda  
Oâ\200\231Grady, Michael John  
Patel, Junate Mohamed  
Proctor, Andre

Tennant, Alistair William  
Thompson, Alan James  
van der Merwe, Lex

## BACHELOR OF SCIENCE IN BUILDING MANAGEMENT

Bird, Gracme Michael Poole, Jonathan Chad  
Greensmith, Stewart John Schindler, Jens Friedrich  
Kitchiner, Brent Edward van der Ham, Mark  
Kyle, Murray John Wright, Roger  
Larrett, Keith Anthony

## BACHELOR OF SCIENCE

Abbott, Belinda Ann Duys, Karen Lesle  
Baise, Paul Anthony Ferreira, Ester Johanna  
Barbour, Colleen Joy Ferreira, William Basil

Bean, Timothy Jackson

Bean, Tracey ari¬\201'  
Botes, Andre Michael  
Botha, Candace Jane  
Broomhead, Neal Keith  
Bundy, Simon Colin  
Burger, Bruce Jonathan

Forster, Rowan Ian  
Gokul, Manoj

Goosen, Mary-Anne  
Gordon, Hayley  
Govender, Suriaganthie  
Hansen, Valerie Kim  
Haskins, Craig Ian

\* Busse, Joanne (Mathematics, Applied \* Hellberg, Barbara Luise (Applied Mathematics, Mathematicâ\200\234? Geographical & Environmental Sciences)

Calais, Jean-Pa Hendrickse, Shamiem Shareen  
Campbell, Jessie Florence Hoosen, Soraya (Mathematics, Mathematical  
Chapman, Leigh Anne Statistics)  
Clemmett, Susan Jo Hope, Sean Dion  
Coughlan, Carmen Lee Hornsey, Jacqueline Janet  
Coulson, Mornay Hutton, Liam Dermot  
de Bruyn, Nicolette Leigh Kearney, Teresa Catherine  
Dhoda, Hassim Osman Kuppen, Mogamberi (Physics)  
Durham, Ben David Lester, Michael Gerard

s \* = Degree awarded cum laude \_ .

Major subjects which candidates have passed with distinction are shown in brackets after their names.





Mahomed, Imthiaz Pietersen, Kevin John

McAravey, Shaun Harvey Pillay, Dhanaseelan Loganathan  
Meadon, Sean Brian \* Powell, Alan Roy (Computer Science)  
Miller, Warwick Richard Rahiman, Rehana Banu  
Moodley, Indrani (Mathematics, Mathematical Ramdhani, Jaichand

Statistics ; Raubenheimer, Janine  
Moodley, Kuben (Chemistry) Reddy, Visvanathan Subba  
Moodley, Narainsamy Inben Roberts, Michael Austin (Biology)  
Mortimer, Bruce Robertson, John Mackinnon  
Mtembu, Langa Zola Ross-Jones, Bradley Steve  
Muir, David John Singh, Sudhir Anand  
Murphy, John Edward Sithole, Christian Msindiseni Linda  
Naicker, Ninmaalan Smith, Jacqueline Anne  
Naicker, Sadhasivan Stephens, Nicole Helene  
Naidoo, Priyadarshini Stewart, Gwethlyn Meriel  
Naidoo, Umagasen Chinnasamy Suchipersadh, Rajesh (Chemistry)  
Nandkishore, Chandnee Sweby, Deborah Lee  
Nurrish, Natalie Louise Tonkinson, Charles Henry Llewelyn  
Orchard, Anne-Liese Turner, Audrey Michelle  
Paetz, Jurgen Siegfried Hans Whelan, Kim  
Parthiephal, Bheeran Wren, Michael David  
Pearman, Keren Lee Yates, Craig Brooke  
Pechel, Christoph Matthias Ziehl, Brett

; . ; Â¢ \* = Degree awarded cum laude

Major subjects which candidates have passed with distinction are shown in brackets after the

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ir names. ,

MR VICE CHANCELLOR /| /

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I HAVE THE HONOUR TO PRESENT FOR THE  
POST-GRADUATE DIPLOMA IN ENGINEERING

Booyesen, Therese Marie, BSocSc Dellis, John Evans

Mahomed, Imthiaz Pietersen, Kevin John

McAravey, Shaun Harvey Pillay, Dhanaseelan Loganathan  
Meadon, Sean Brian \* Powell, Alan Roy (Computer Science)  
Miller, Warwick Richard Rahiman, Rehana Banu  
Moodley, Indrani (Mathematics, Mathematical Ramdhani, Jaichand

Statistics 3 Raubenheimer, Janine  
Moodley, Kuben (Chemistry) Reddy, Visvanathan Subba  
Moodley, Narainsamy Inben Roberts, Michael Austin (Biology)  
Mortimer, Bruce Robertson, John Mackinnon  
Mtembu, Langa Zola Ross-Jones, Bradley Steve  
Muir, David John Singh, Sudhir Anand  
Murphy, John Edward Sithole, Christian Msindiseni Linda  
Naicker, Ninmaalan Smith, Jacqueline Anne  
Naicker, Sadhasivan \_ Stephens, Nicole Helene  
Naidoo, Priyadarshini Stewart, Gwethlyn Meriel  
Naidoo, Umagasen Chinnasamy Suchipersadh, Rajesh (Chemistry)  
Nandkishore, Chandnee Sweby, Deborah Lee  
Nurrish, Natalie Louise Tonkinson, Charles Henry Llewelyn  
Orchard, Anne-Liese Turner, Audrey Michelle  
Paetz, Jurgen Siegfried Hans Whelan, Kim  
Parthiephal, Bheeran Wren, Michael David  
Pearman, Keren Lee Yates, Craig Brooke  
Pechel, Christoph Matthias Ziehl, Brett

: : \* = Degree awarded cum laude . ;  
Major subjects which candidates have passed with distinction are shown in brackets after their names. ,

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DIPLOMATES

POSTGRADUATE DIPLOMA IN ENGINEERING

Booyesen, Therese Marie, BSocSc Dellis, John Evans

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CONFERMENT OF THE DEGREE OF  
DOCTOR OF SCIENCE  
HONORIS CAUSA, UPON

NOEL DESMOND CLARENCE

Noel Desmond Clarence was born and educated in Pietermaritzburg and began his outstanding career at the Natal University College in Pietermaritzburg where he was awarded the BSc and MSc degrees with distinction. In 1947 he was awarded an Elsie Ballot Scholarship and enrolled for the Natural Science Tripos at Selwyn College, Cambridge. After graduating from Cambridge with a BA degree, he returned to Natal to lecture in the Physics Department in Durban. By 1954 he had added to his qualifications the degree of MA (Cantab) and in 1956, the PhD degree from the University of Natal for his research into electrostatic fields in the atmosphere.

Desmond Clarence has devoted his entire working life to the University of Natal, where he progressed from Junior Lecturer to Head of the Department of Physics and Dean of the Faculty of Science. He was appointed Vice-Principal, Durban in 1974 and became Principal of the University in 1977 until his retirement in 1984.

He has served with distinction on a number of National and International Professional bodies, including the Council of the South African Institute of Physics, of which he was Vice-Chairman for four years and which accorded him its highest honour : that of Honorary Membership. At various times he has been a member of the Advisory Councils of the National Institute of Telecommunications Research, the South African Magnetic Observatory and the National Physical Research Laboratory of the CSIR amongst others, and has served as a South African delegate at a number of international conferences and symposia.

His extensive involvement in education has been further witnessed by his membership of the Natal Education Department Examinations Board, the Committee of University Principals, the Council of the University of Zululand, and the Council of Mangosuthu Technikon, of which he is presently Chairman.

After his retirement in 1984, Desmond Clarence was asked to act as Chairman of the Natal Kwa Zulu Indaba, a post he filled with great distinction.

The University of Natal honours Professor Clarence for his long and distinguished service to the University, to the universities of South Africa and to the field of tertiary education generally.

## UNIVERSITY FELLOWSHIPS

University Fellowships have been instituted in order to give special recognition to members of the permanent academic staff for distinguished work of special merit in their chosen fields. The standard of the work is judged primarily by publications and the contribution these have made in the particular field. Public presentation of work in the performing and fine arts may be regarded as equivalent to research and publications.

**Lynne Wilford Baker:** Lynne Baker headed the Department of Surgery from 1967 to 1988. His tenure has brought the Department from a small unit to one of the largest in the Republic, where developments in such new fields as intensive care, total parental nutrition, ultrasound, vascular diagnosis and microsurgery have kept pace with the international field.

He laid the foundations for the now highly reputable unit of vascular surgery.

His wide travels have brought the best known surgeons of our time to this University and in turn the name of this University and its Medical School to their doorstep.

**Yackoob Kassim Seedat:** "YK" Scedat, a native of Durban, is the product of Sastri College and of the National University of Ireland. He is a Fellow of the College of Physicians in South Africa and has been elected to Fellowships of the Royal Colleges of Physicians of London and Ireland, the American College of Physicians and the American College of Cardiology, to name but a few.

He is an excellent teacher and is known and respected nationally and internationally as a clinical researcher. His research has resulted in over 200 publications in internationally recognised journals, and numerous invitations to speak at local and international meetings, universities and congresses.

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: UNIVERSITY ANTHEM

Natale solum canimus

Cui sol adest faustissimus  
Almamque matrem dicimus  
Aurorae Stellam colimus.

O vivas, in aeternum, vivas,  
Alma mater, quae nos ditas,  
Fove serva protege

Stella aurorae signum Natale.

Hic juvenes addiscimus

Ad artes corda ferimus

Qui domus species sumus,  
Quocumque nos dividimus.

Hinc etsi nos discedimus  
Scottarum rus meminimus  
Ad Umsinduzi tendimus  
Mentesque saltem vertimus.

GAUDEAMUS IGITUR

Gaudeamus igitur, juvenes dum sumus; (Rep)

Post jucundam juventutem, post molestam senectutem,

Nos habebit humus, nos habebit humus.

Ubi sunt qui ante nos in mundo fuere? (Rep)  
Vadite ad superos transite ad inferos,  
Ubi jam fuere, ubi jam fuere.

Vita nostra brevis est, brevi finietur; (Rep)  
Venit mors velociter, rapit nos atrociter,  
Nemini parceretur, nemini parceretur.

Vivat Academia, Vivant Professores, (Rep)  
Vivat membrum quodlibet, vivant membra quacelibet,  
Semper sint in flore, semper sint in flore.

Vivant omnes virgines, faciles, formosae, (Rep)  
Vivant et mulieres, dulces et amabiles,  
Bonae, laboriosae, bonae, laboriosae.

Vivat et respublica, et quae illam regit; (Rep)  
Vivat nostra civitas, Maecenatum caritas.  
Quae nos his protegit, quae nos hic protegit.

Pereat tristitia, pereant osores, (Rep)  
Pereat diabolus, quivis antiburschius,  
Atque irrisores, atque irrisores.

Muiticopy

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